Utility
Mobile Explorer V2.0.04

User's Manual

APP-2100

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1. Overview

Introduction

Hardware Spec

1. Supported OS:
   - Windows Mobile 5.0
   - Windows Mobile 6.0
   - Pocket PC 2003
2. Supported CPU:
   - Intel Xscale Series (624 Mhz recommended)
   - Samsung Series
   - TI OMAP Series
3. Tested Devices
   - HP iPaq HX2790b (recommended)
   - Dopod CHT9100, P800W, D810
   - ETEN M500
   - Note that PTZ control is implemented with touch-screen control. If your mobile device does not support touch-screen control, then you cannot operate PTZ operation.
4. Supported Video Profile (benchmarked with HP iPaq HX2790b)
   - D1@6 FPS with 1.5 Mbps
   - CIF@15 FPS with 1.5 Mbps
   - CIF@30 FPS with 500 Kbps
   - Note that you need to adjust the video profile according to your mobile devices' performance

Function Specification

Function Spec

1. Add support to 16 channels
2. Add support to all Devices, including streaming type TCP 1.0 and TCP 2.0
3. Add support to all product lines, including LPL, EPL and MPL
4. Add support to Quad device. User may control 1, 2, 3, 4, Quad view
5. Add support to Speed Dome PTZ control
6. Add support to on-screen PTZ, 8-directional PT control + zoom in/out
7. Add support to set preset and goto preset PTZ operation
8. Add support to PTZ OSD operations
9. Add support to PTZ speed adjustment
10. Add support to 2-way audio support.
11. Add support to camera name display on screen
12. Add support to event display on screen, including motion detection event and digital input event
13. Add support trigger digital output
14. Add support to switch channel by 1 click.

Installation

There are 2 files provided:

1. Mobile-Explorer_v2.0(PC2PPC).exe: This file is used to run under PC, then the Mobile Explorer v2.0 will be installed on the Pocket PC

2. Mobile-Explorer_v2.0(PPC).cab: This fie is used to run under Pocket PC. You need to copy this file into Pocket PC, and execute this file under Pocket PC.

Overview

Camera Setting Overview

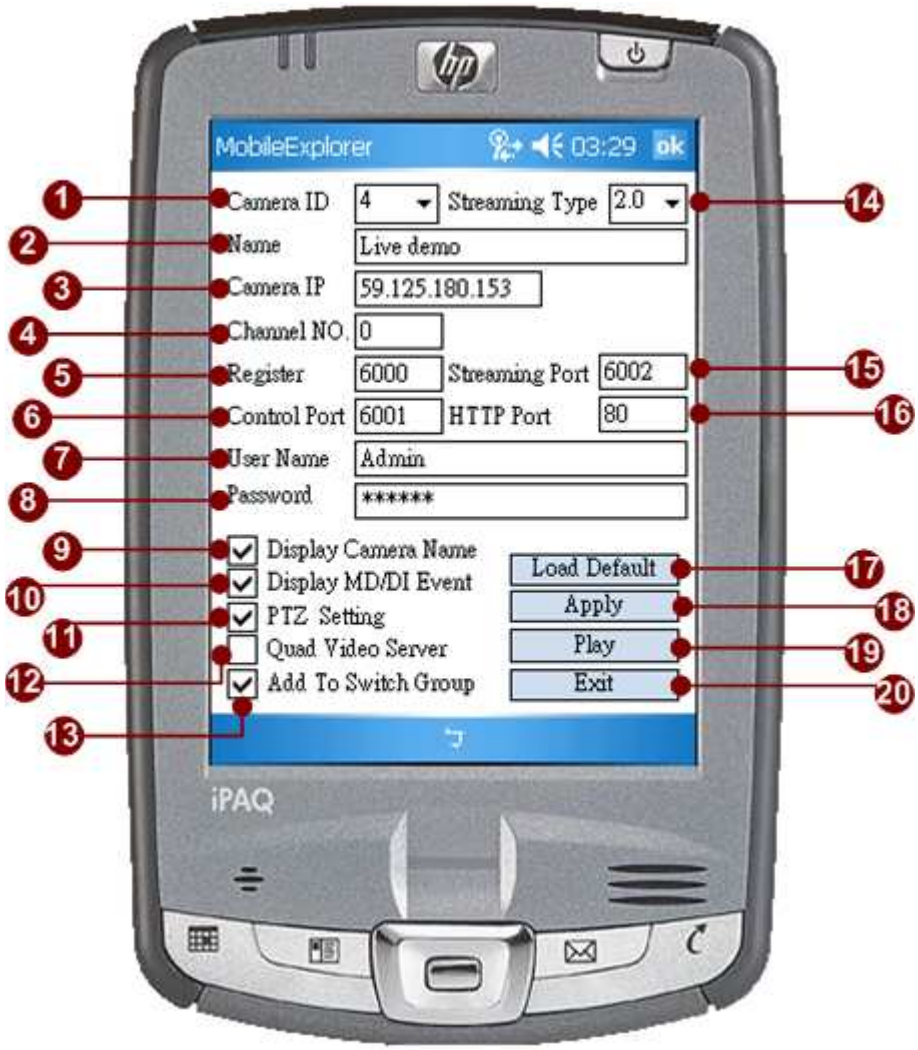

Figure 1-1 Camera Setting Overview

1. **CameraID :** Define this IP camera to Identify.

2. **Name :** Define this camera a name.
3. **Camera IP :** IP of the camera.
4. **Channel NO**. **:** Number of Channel of this IP camera.
5. **Register :** Default 6000.
6. **Control Port :** Default 6001.
7. **User Name :** Name to login this IP camera.
8. **Password :** Password to login this IP camera.
9. **Display Camera Name :** Display camera name on preview.
10. **Display MD/DI Event :** Display Event Detect.
11. **PTZ :** If this IP camera is support PTZ , Enable It.
12. **Quad :** If this IP camera is a quad camera , Enable It.
13. **Add To Switch Group :** …
14. **Streaming Type :** TCP 1.0 or TCP 2.0 .
15. **Streaming Port :** Default 6002.
16. **Http Port :** Default 80.
17. **Load Default :** Load default settings.
18. **Apply :** With any change , Please save your change with ‘Apply’.
19. **Play :** Preview Video.
20. **Exit :** Leave this Program.

Menu Setting Overview

Figure 1-2 Menu Setting Overview

1. **Pop-Up Menu Button :** Show Menu.
2. **PTZ Set Preset :** Set PTZ Preset.
3. **PTZ Goto Preset :** Go to PTZ Preset.
4. **PTZ OSD :** On Screen Display Menu.
5. **PTZ Speed :** Set Camera Move Speed.
6. **Quad Switch :** Set Quad Monitor.
7. **Audio In :** Turn On/Off Volume.
8. **Audio Out :** Turn On/Off Microphone.
9. **Trigger DO1 :** Send DO1 Signal to Device
10. **Return :** Return to Camera Setting Page.
11. **Quit :** Quit this program.

2. Getting Started

Start Mobile Explorer & Setting

Starting Explorer: Goto Start → Program Files → Mobile Explorer

Figure 2-1 Start Explorer

1. **MobileExplorer :** Click here to execute this program.

Select Camera ID

Figure 2-2 Camera Setting_1

1. **CameraID:** Choose a Camera ID.
2. **Apply :** Save this Change.

Select Streaming Type

Figure 2-3 Camera Setting_2

1. **Streaming Type :** Choose TCP 2.0 or TCP 1.0.
2. **Apply :** Save This Change.

Apply Changes

Figure 2-4 Apply Changes_1

1. **Apply :** Press Apply
2. **Setting Changed Alert :** Make sure to save settings..

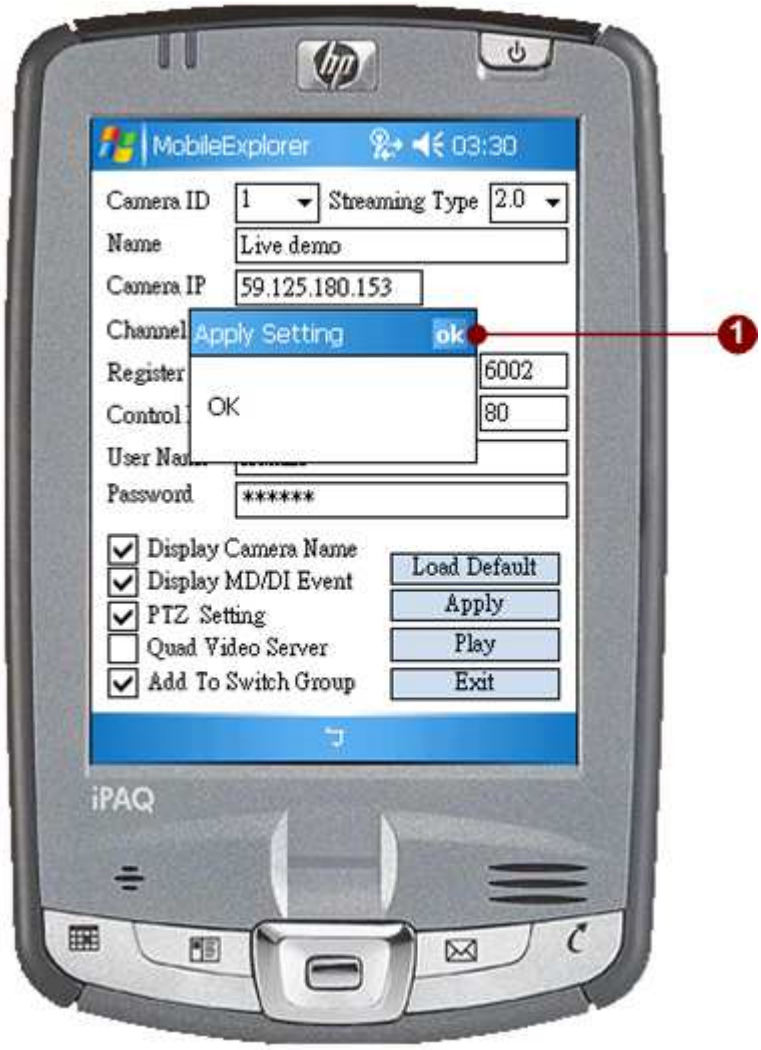

Figure 2-5 Apply Changes_2

1. **Apply Setting Alert :** Setting Saved.

Setting PTZ

Click PTZ Button

Figure 2-6 StartUp PTZ

1. **PTZ :** Click this button to startup PTZ.

Select PTZ Protocol File

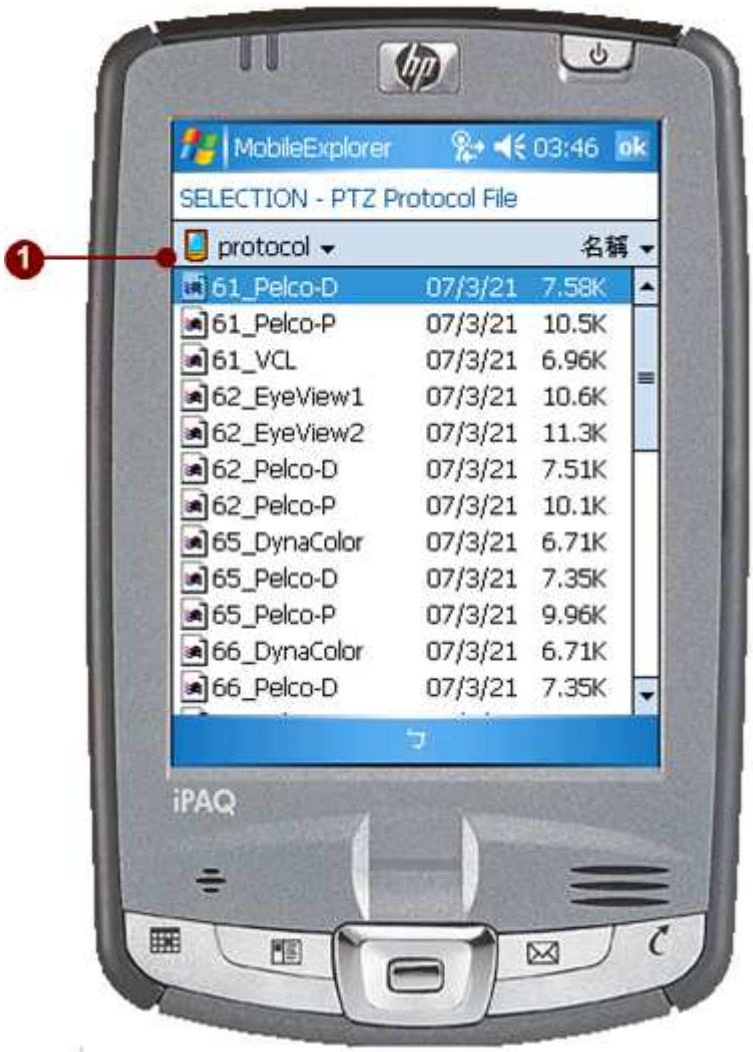

Figure 2-7 Select PTZ Protocol File

1. **Select PTZ protocol files :** Choose a PTZ protocol file that suit your camera.

Setup Address IP

Figure 2-8 Setup Address ID

1. **Address ID** : Choose Address ID of camera
2. **OK :** Press OK to apply.

Setup Control

Figure 2-9 Setup Control_1

1. **Control :** Choose PTZ Control.

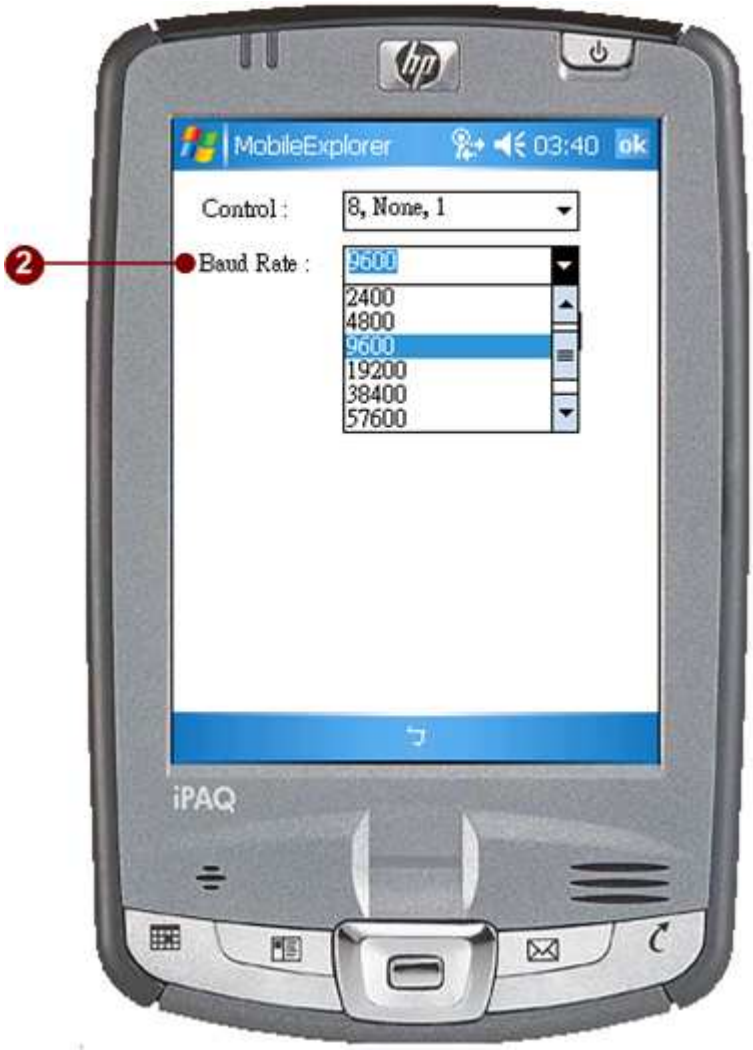

Figure 2-10 Setup Control_2

2. **Baud Rate :** Choose a Baud Rate.

Display

Display_On_Setting

Figure 2-11 Display On Setting

1. **Display Camera Name :** Display camera name on preview.

2. **Display MD/DI Event :** Detect MD/DI event.
3. **Apply :** Save Settings.

Display_On_Preview

Figure 2-12 Display On Preview

1. **Camera Name :** Display Camera Name Here.
2. **MD :** On Motion Detect.
3. **DI :** On Digital Input.

Connect

On Connecting

Figure 2-13 On connecting

1. **Connecting :** Connect to the IP camera with preview.

On Connecting Failed

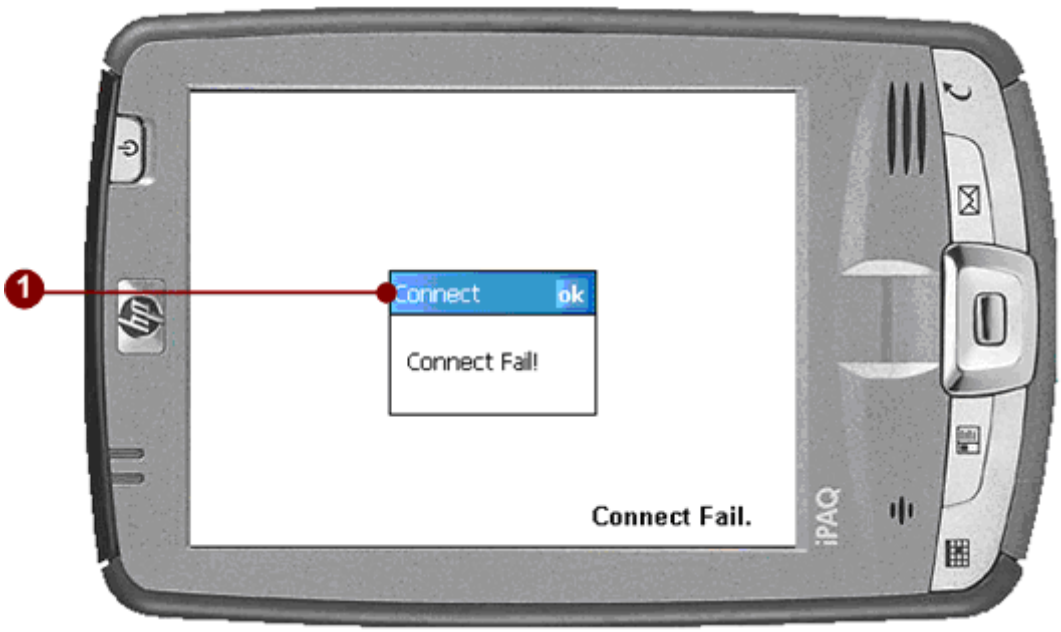

Figure 2-14 On connecting Failed_1

1. **Connecting Failed :** Connect Failed.

On Connecting Failed when switch camera

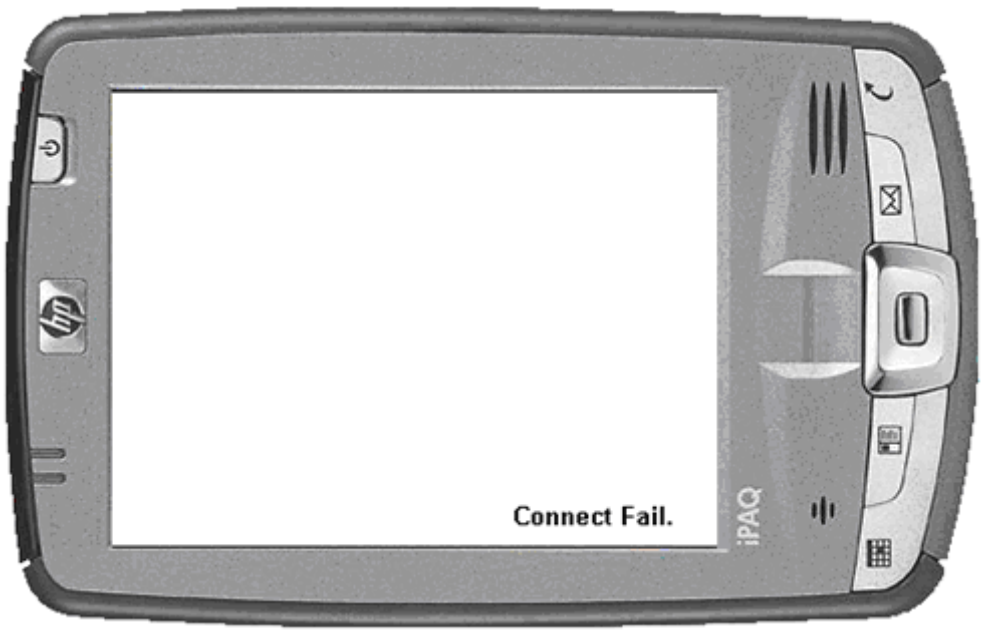

Figure 2-15 On connecting Failed_2

Preview

Preview

Figure 2-16 On Preview

PTZ On Click Move

Move Up

Figure 2-17 PTZ Move Up

1. **Move Up :** Click Here To Move Camera Up.

Move Down

Figure 2-18 PTZ Move Down

2. **Move Down :** Click Here To Move Camera Down.

Move Left

Figure 2-19 PTZ Move Left

3. **Move Left :** Click Here To Move Camera Left.

Move Right

Figure 2-20 PTZ Move Right

4. **Move Right :** Click Here To Move Camera Right.

Move Up Left

Figure 2-21 PTZ Move Up Left

5. **Move Up Left :** Click Here To Move Camera Up Left.

Move Up Right

Figure 2-22 PTZ Move Up Right

6. **Move Up Right :** Click Here To Move Camera Up Right.

Move Down Left

Figure 2-23 PTZ Move Down Left

7. **Move Down Left :** Click Here To Move Camera Down Left.

Move Down Right

Figure 2-24 PTZ Move Down Right

8. **Move Down Right :** Click Here To Move Camera Down Right.

Zoom In

Figure 2-25 PTZ Zoom In

9. **Zoom In :** Click Here To Zoom In.

Zoom Out

Figure 2-26 PTZ Zoom Out

10. **Zoom Out :** Click Here To Zoom Out.

3. Menu

PTZ Settings

PTZ Set Preset

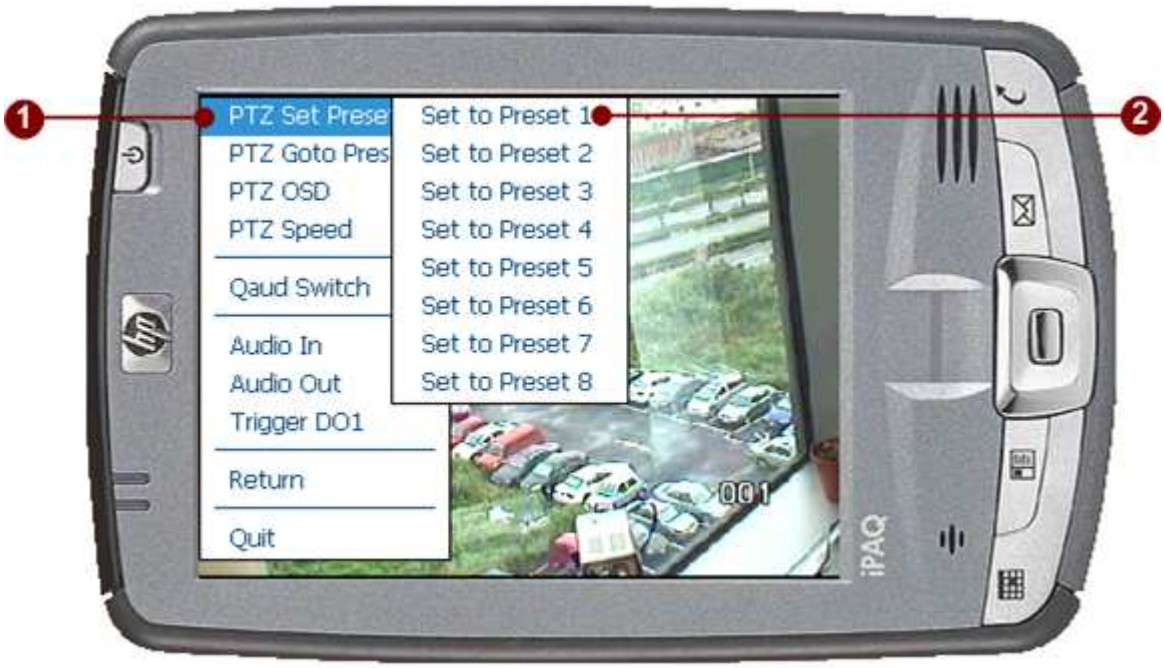

Figure 3-1 PTZ Set Preset

1. **PTZ Set Preset :** User can click this button to set PTZ preset.
2. **Set Preset Location :** Set the PTZ preset.

PTZ Goto Preset

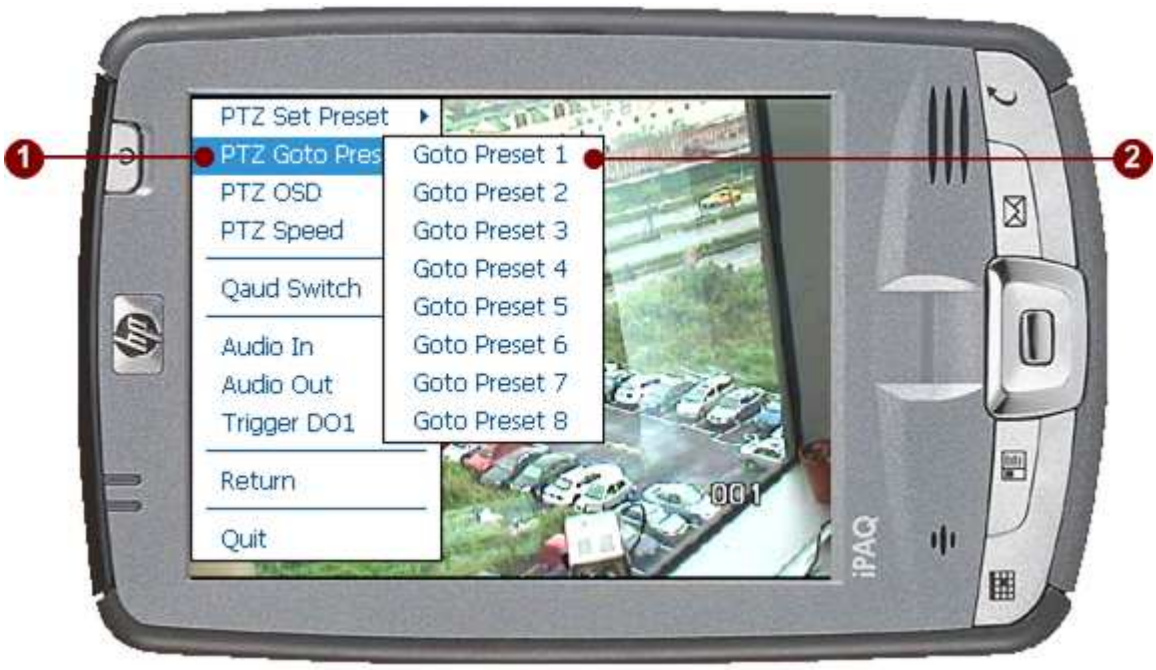

Figure 3-2 PTZ Goto Preset

1. **PTZ Goto Preset :** User can click this button to Goto PTZ preset.
2. **Goto Preset :** Go to PTZ Preset.

PTZ OSD

Figure 3-3 PTZ OSD

1. **PTZ OSD :** User can click this button to set PTZ OSD.
2. **On/Off :** Enable/Disable PTZ OSD.

PTZ OSD On

Figure 3-4 PTZ OSD On

1. **PTZ OSD On :** PTZ OSD will show on the screen.

PTZ Speed

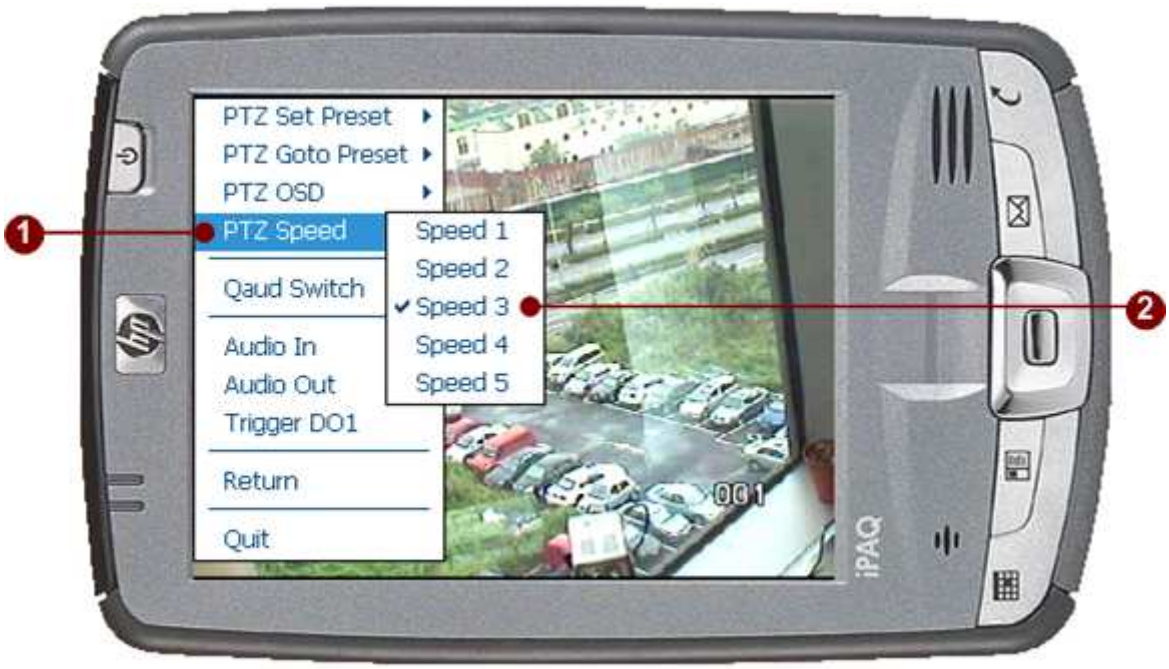

Figure 3-5 PTZ Speed

1. **PTZ Speed :** User can click this button to set PTZ Speed.
2. **Speed :** Choose a speed to set this camera.

Quad Setting

Quad Switch

Figure 3-6 Quad Switch

1. **Quad Switch :** User can click this button to set monitor mode.
2. **Monitor :** Select monitor mode of the quad camera.

Audio Setting

Audio In

Figure 3-7 Camera Name

1. **Audio In :** User can click this button to set Audio In
2. **On/Off :** Set Audio On/Off

Audio Out

Figure 3-8 Audio

1. **Audio Out :** User can click this button to set Audio Out
2. **On/Off :** Set Audio On/Off

Variable FPS

FPS Setting

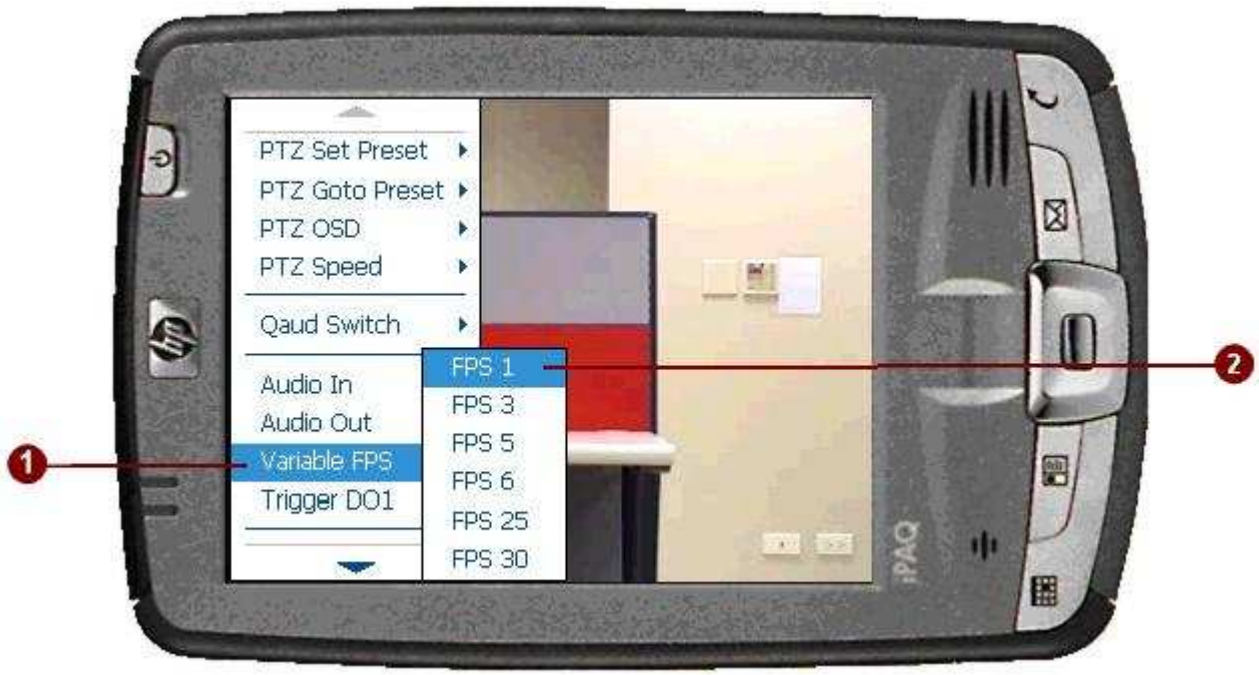

Figure 3-9 Variable FPS

1. **Variable FPS :** User can click this button to set Variable FPS
2. **FPS n :** Set Variable FPS to 1, 3, 5, 25 (PAL Mode), 1, 3, ,6, 30 (NTSC Mode)

Trigger DO1

Trigger DO1

Figure 3-10 Trigger DO1

1. **Trigger DO1 :** User can click this button to set Audio Out

Return

Return

Figure 3-11 Return

1. **Return :** Return to preview screen and close menu.

Quit

Quit

Figure 3-12 Quit

1. **Quit** : Quit preview mode and back to camera setting screen.